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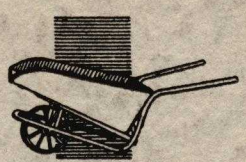
The STERLING LINES

Catalog No. 34



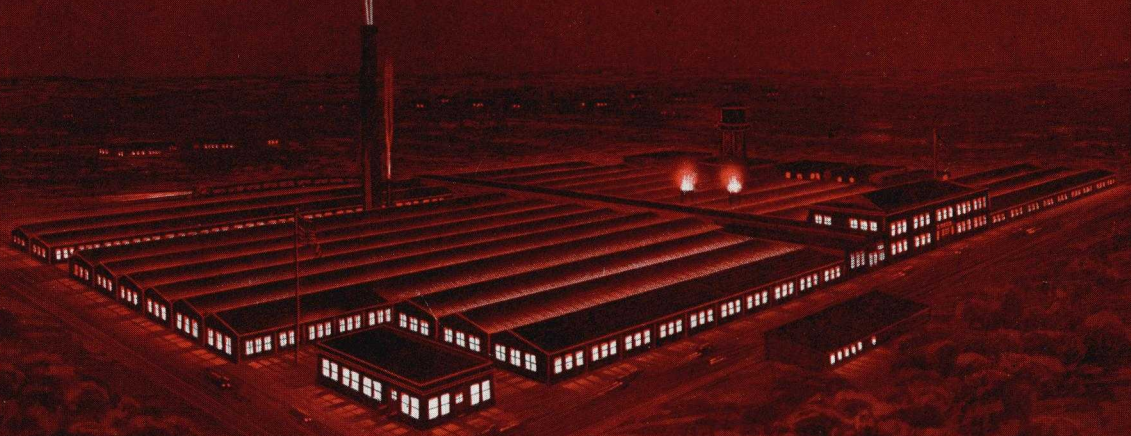
STERLING WHEELBARROW COMPANY

· MILWAUKEE · WISCONSIN ·

Sterling

Sterling

WHEELBARROWS
TRUCKS
FLASKS



STERLING WHEELBARROW COMPANY

MILWAUKEE WISCONSIN.

Sterling Wheelbarrows

STANDARDIZED

The Sterling line of barrows, while it includes a large variety of styles and sizes, is so standardized that the entire line comprises very few different parts.—One size wheel for all barrows—Any tray will fit all frames—One style leg for all wood-handled barrows—One style leg for all steel-handled barrows. The importance of this feature will be apparent to those who have ever bought repair parts.

SELF-LUBRICATING WHEELS

The standard wheel which is furnished on every Sterling barrow is equipped with pre-lubricated fibre bearings. These bearings never require oiling, as they contain sufficient oil to keep the shaft well lubricated at all times. This feature has given the Sterling the reputation of being the easiest wheeling barrow on the market.

RIVETED LEGS

Sterling leg-gears are thoroughly braced and riveted into one solid unit, and equipped with steel shoes riveted to the broad bearing surfaces. This method presents a powerful construction which cannot shake loose, and which also eliminates the excessive number of small parts subsequent to a bolted construction. The riveted leg is an important feature of Sterling rigidity.

RIVETED TRAYS

Sterling barrow trays are riveted (not pressed) which method insures uniform thickness of steel throughout, with double thickness at corners. Consequently they are heavier than pressed trays, and are also more durable. The trays are reinforced at top with a continuous 5-16 inch rod, which is smoothly rolled and tightly crimped into the edge.

Sterling Wheelbarrows

MAPLE HANDLES

All Sterling wood handles are made from clear hard maple surfaced all sides and grooved on the lower side so as to fit the channel leg. The bolt holes are bored exactly in the center of the handle which method eliminates the disadvantages caused by right-hand and left-hand handles. All Sterling handles being bored alike are thus suitable for either side.

FINISH

The metal parts of Sterling barrows are painted with a thick coat of glossy black weather resisting paint. All wood parts are painted a brilliant red. This combination of black and red gives Sterling barrows an exceedingly attractive appearance.

ORIGINALITY

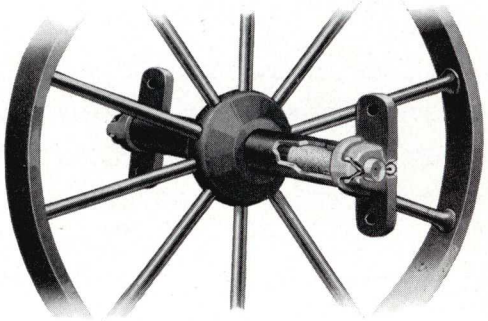
Sterling Wheelbarrows have led the procession with advanced and important improvements in design and construction. They were the first barrows to be equipped with self-lubricating wheels—Riveted channel steel legs—Handle clamps—Interchangeable parts—Leg shoes. Most of these refinements are still exclusively "Sterling." The latest Sterling improvement is the addition of 2 spokes to the wheel, which gives the Sterling a total of 10 spokes instead of the usual 8 spokes. By so cutting the distance between spokes, the strength of the wheel is fully doubled.

DISTRIBUTION

Sterling Wheelbarrows are manufactured at Milwaukee, Wis. They are distributed from our warehouses at Chicago—New York—Detroit—Cleveland, and also from stock through leading Hardware and Supply Companies in all large Cities in the United States.

STERLING SELF-LUBRICATING WHEELS

No. 2—Standard



Sterling wheels are all equipped with pre-lubricated fibre bearings. No. 2, 4 and 5 wheels are equipped with 10 spokes 7/16 inch diameter. The No. 3 wheel has 8 spokes 3/8 inch diameter.

All Sterling wheels are 16 inch diameter. The spokes are riveted and shouldered to tire, and cast to hub. Hub is wrought steel 7½ inches long. Brackets are malleable iron. Axle is 5/8 inch diameter cold rolled steel.

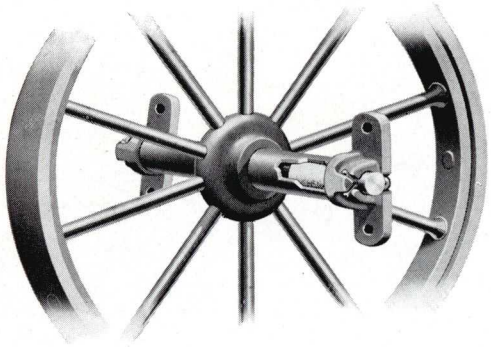
WEIGHT OF TIRE

No. 2 Wheel — 1½ inch wide by 3/8 inch thick —	Weight 18 pounds.
No. 3 Wheel — 1½ inch wide by 5/16 inch thick —	Weight 15 pounds.
No. 4 Wheel — 2 inch wide by 3/8 inch thick —	Weight 21 pounds.
No. 5 Wheel — 2 inch wide by 3/4 inch thick —	Weight 27 pounds.

The axle is attached to the malleable dust-proof brackets by means of split cotter pins. The pin is securely held in place and cannot become detached, because the head of the pin rests on the frame, and the pin is split by means of a special attachment on the bracket. (See cut above shown.) By this method the shaft remains stationary, and thus cannot cause wear on the bracket.

STERLING SELF-LUBRICATING WHEELS

No. 5—Double Tire



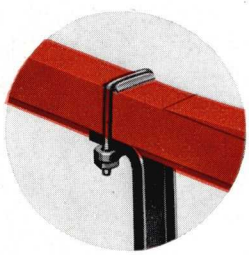
The No. 5 double tire wheel is unquestionably the strongest wheelbarrow wheel made. It is furnished as standard equipment on the following barrows:—Nos. 28, 29, 28A, 29A, No. 18 and No. 17, which barrows are designed for heavy foundry duty. It is furnished as special equipment when so desired, for use on any Sterling barrow, as it fits all Sterling frames. This wheel is also sold separately for use on Sterling or other makes.

No. 4 wheel having a 2 inch tire is desirable for wheeling on soft surfaces, where width of tread is essential. It is furnished as standard equipment on barrows Nos. 25, 51, 52, 51A, and 52A. It is also suitable for and furnished as special equipment, for use on any Sterling or barrows of other makes.

No. 3 wheel while it is an excellent wheel, has a tire slightly lighter than our standard. It is used exclusively on barrows Nos. 7AA and 19.

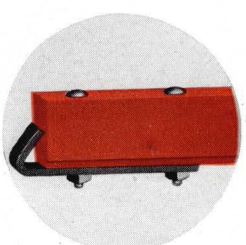
No. 2 is our standard wheel, and ordinarily furnished on all of our barrows with the exception of those styles specifically enumerated above.

THE STERLING WOOD FRAMES



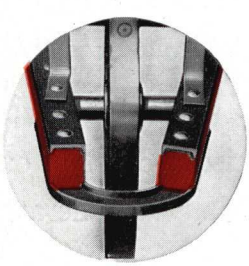
This Clamp Means Greater Strength and Less Breakage

Sterling barrow frames are made of the very best grade materials. Clear maple is the only grade lumber used in the handles. Not only are these handles smoothly planed, all sides, but they are grooved along the lower edge, forming a seat for the channel leg, the wheel support and the metal tip. The bolt holes are drilled at dead center and spaced equi-distant so that either handle may be used for left or right side. This construction eliminates the disadvantages caused by right and left handles. Sterling handles being completely interchangeable, simplify ordering of repairs, and create a saving of time and money to the user or dealer.



The Latest Improvement

The handle is now so designed that either the metal tip or malleable wheel guard can be installed. These are sold as extras or furnished as regular equipment on the following barrows:



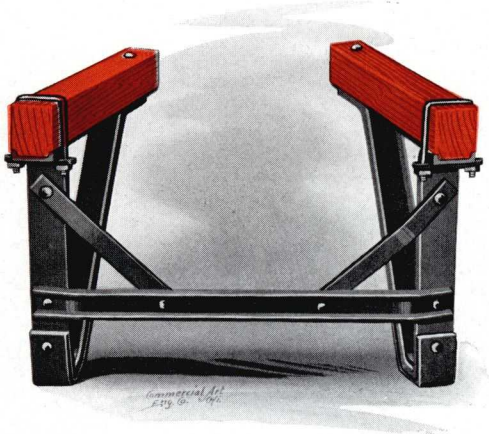
METAL TIP

No. 6A—No. 41—No. 10A—No. 31 and No. 80.

MALLEABLE GUARD

No. 15—No. 16—No. 32—No. 11A—No. 42—No. 36A—No. 28A—No. 29A—No. 51A—No. 52A and No. 85.

THE STERLING RIVETED LEG



The Sterling leg is constructed from channel steel which snugly fits the specially grooved handle. (See cut above.) The channel cross piece and V braces are securely riveted together.

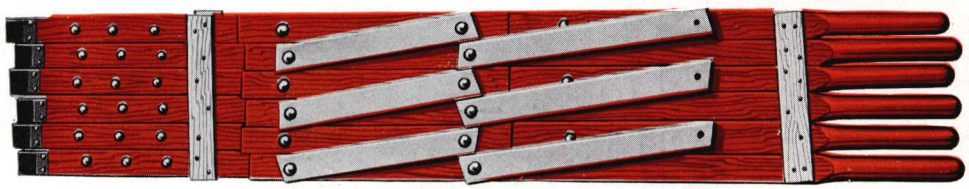
Heavy steel shoes are riveted to the square flat bearing surfaces. These shoes save wear on the leg, and may be cheaply replaced when worn.

The leg feet or bearing surfaces are bent square instead of round. These broad flat surfaces present a substantial bearing on the ground, which keeps the barrow steady and securely in position while being loaded. The added wearing surface also adds greatly to the life of the leg.

Because of the sturdy leg construction, Sterling barrows never become shaky. There are no bolts or nuts to loosen or become lost, and the channel material forms a substantial and rigid support for the entire frame.

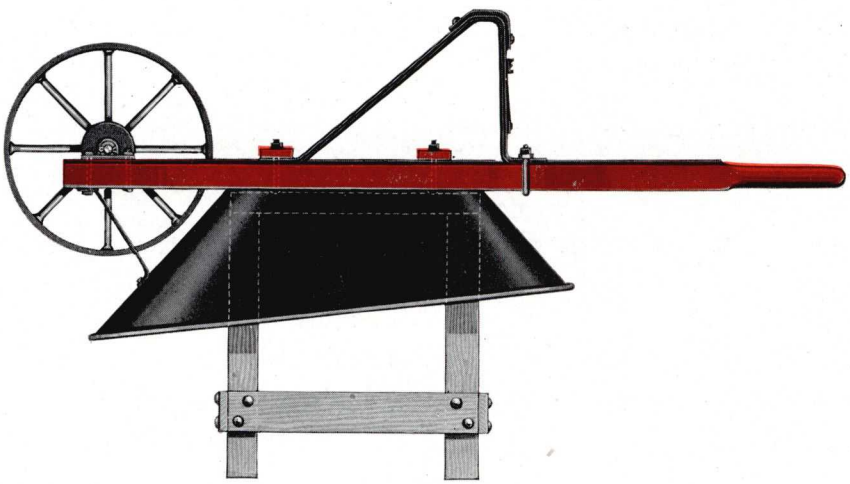
One style and size leg is used on all wood handle barrows—One style and size leg is used on all tubular barrows.

FRAMES PACKED FOR SHIPMENT



In shipping Sterling barrows we pack the frames as shown above which not only protects the bolts but assures convenient handling. Each bolt is in its proper place, which is an absolute safeguard against mistakes in assembling the wheelbarrows.

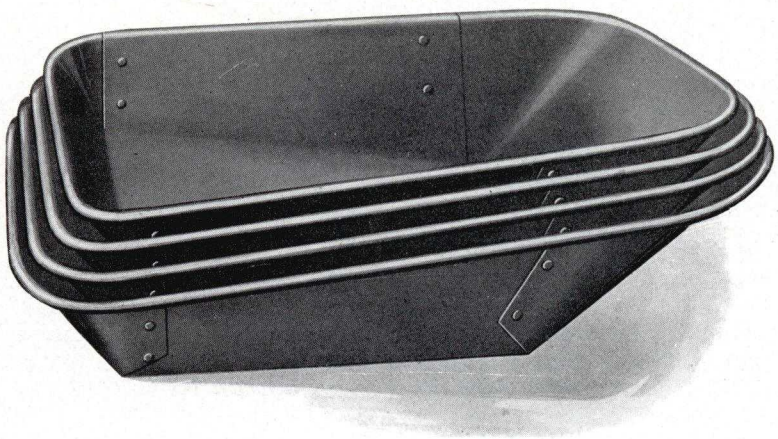
HOW TO SET UP STERLING WHEELBARROWS



Sterling barrows are very easily set up because of their few separate parts and accurate workmanship. Like in everything, there is a right and wrong way to proceed with the job, and in setting up barrows no nuts should be tightened until all bolts are in place. If any quantity is to be set up it pays well to either build or let us send you a setting-up stand. The top of the stand should be the same shape as the inside of the tray bottom. (All Sterling trays are the same size and shape at bottom.) Place tray reverse side up on stand with tray bolts extending up through tray. Place handles first, legs second, then wheel in place. (See cut.) Then tighten all nuts with socket wrench and brace.

STERLING STANDARD BARROW TRAYS

Sizes 2½, 3, 3½, 4, 5, 6, 9 Cu. Feet Capacity



DIMENSIONS OF STERLING WHEELBARROW TRAYS

Trays Interchangeable on the following different styles	Std. Gauge	Length on Top	Width on Top	Depth at Wheel	Depth at Handle	Extreme Height	Full Capacity	Weight
Nos. 5A, 6A, 7, 15, ...	16	33″	28″	15″	7″	11″	3½ C.F.	26 lbs.
" 9, 10A, 16,.....	16	32″	28″	16″	8″	12″	4 "	30 "
" 3A, 7A.....	18	32″	27″	13″	6″	10″	3 "	20 "
" 11, 11A.....	14	44″	32″	24″	9½″	16″	6 "	48 "
" 31, 32, 33.....	16	37″	26″	19½″	9½″	16″	4 "	30 "
" 80, 81 Special Shape	14	30″	21″–11″	13″	8″	11″	2 "	36 "
" 80A, 81A " "	14	31½″	23–11½″	15″	9″	13″	2½ "	40 "
" 80B, 81B " "	14	34″	24″–12″	16¼″	10″	14″	3 "	44 "
" 51, 51A, 28A.....	12	33″	28″	15″	7″	11″	3½ "	48 "
" 52, 52A, 29A.....	12	36″	30″	17″	7½″	12″	4 "	55 "
" 18, 82.....	12	35″	23″	12″	12½″	12″	3½ "	54 "
" 41, 42, 43.....	16	34″	26″	16″	7″	11″	3½ "	26 "
(Not Interchangeable)								
No. 28.....	12	33″	28″	15″	7″	11″	3½ "	48 "
" 29.....	12	36″	30″	17″	7½″	12″	4 "	55 "
" 19.....	18	30″	26″	13″	5″	10″	2½ "	18 "
" 7AA.....	18	30″	26″	13″	5″	10″	2½ "	18 "
" 7B.....	16	36″	30″	17″	7½″	12″	4 "	30 "
" 25.....	14	48″	38″	28½″	13½″	20″	9 "	63 "
" 2.....	16	36″	23″	12″	12½″	12½″	3½ "	26 "
" 4.....	16	35″	23″	12″	12½″	12½″	3½ "	26 "
" 8.....	16	39″	23″	9″	15″	15½″	3½ "	35 "
" 35.....	16	38″	34″	18½″	10″	15″	5 "	34 "

The gauges shown above are standard for the barrows specified. However, we furnish most of the styles with 16, 14 or 12 gauge as desired.

STERLING COAL BARROW No. 11A

OVERALL DIMENSIONS—

Width	32″	Capacity	6 cu. ft.
Length	66″	Hard Coal	350 lbs.
Height	29″	Weight, each	90 lbs.

The tray is designed narrow and projects over the wheel, so that barrow will pass through narrow doorways, and also carry the load over the wheel instead of on the arms. This barrow is perfectly designed for the purpose intended and will last for years under hard continuous service.

Tray is 14 gauge, reinforced at top with 5-16 inch rod, and supported at front with 2 pair of heavy steel braces. Frame is equipped with handle clamps and malleable wheel guards. Channel steel legs with shoes. No. 2 self-lubricating wheel.

STERLING COAL BARROW No. 11

OVERALL DIMENSIONS—

Width	32″	Capacity	6 cu. ft.
Length	65″	Capacity Coal	350 lbs.
Height	29″	Weight, each	95 lbs.

This barrow is narrow in width so that it will pass through narrow doorways. The tray is long, extending over the wheel, which balances the greater part of the load on the wheel, instead of on the wheeler's arms. It is a giant for strength, and is easy running.

Standard tray is 14 gauge, with 5-16 inch rod reinforcement in top edge. Heavy channel braces support the tray full length of front and at bottom. Channel steel legs and No. 2 self-lubricating wheel.

STERLING "WINDOW" BARROW No. 36A

OVERALL DIMENSIONS—

Width	26″	Full capacity	6 cu. ft.
Length	71″	Coal capacity	450 lbs.
Height	29″	Weight, each	100 lbs.

These barrows are ideal for use where it is necessary to wheel coal from the wagon to the coal-bin window. The tray is designed to extend through the ordinary width window casing, and the long spout shaped tray discharges its load clean and quickly.

Tray is 14 gauge steel, reinforced with bar steel around the entire top edge. Handles are clear maple lumber, equipped with handle clamps and wheel guard. No. 2 self-lubricating wheel.

STERLING "WINDOW" BARROW No. 36

OVERALL DIMENSIONS—

Width	26″	Full capacity	6 cu. ft.
Length	71″	Coal capacity	450 lbs.
Height	29″	Weight, each	106 lbs.

Which ever you choose, wood handled or tubular frame, you get in these Sterling Coal Barrows extreme strength, and ability to stand up under hard service. You also get a barrow scientifically designed for the purpose intended.

Tray is 14 gauge steel, reinforced with bar steel around the entire top edge. Continuous tubular frame. Channel steel legs, and the No. 2 wheel.

STERLING FORWARD DUMP No. 2

OVERALL DIMENSIONS—

Width	27″	Rated capacity	3½ cu. ft.
Length	65″	Water measure	2¼ cu. ft.
Height	28″	Weight, per doz.	804 lbs.

Designed for charging into mixers, bins or chutes, this barrow is a standard for all barrows of similar construction.

The tray is constructed of 16 gauge steel. When loaded the weight is balanced well over the wheel, which reduces the effort of wheeling to the minimum. Tray support is malleable iron. Handles are clear maple. Wheel No. 2 standard.

"ACME" CHARGING BARROW No. 4

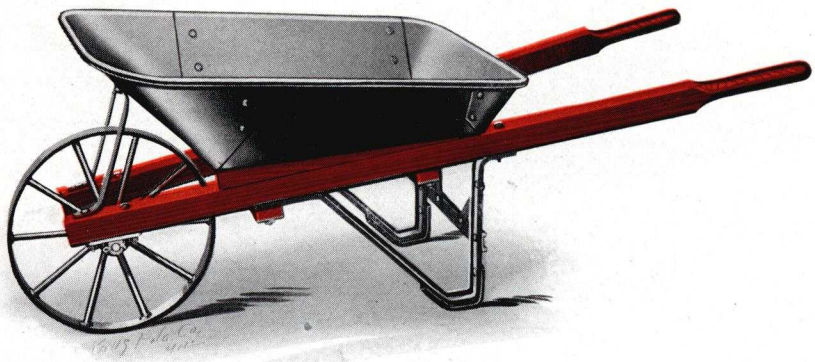
OVERALL DIMENSIONS—

Width	27″	Rated capacity	3½ cu. ft.
Length	67″	Water measure	2¼ cu. ft.
Height	28″	Weight, per doz.	800 lbs.

If you use this style barrow you will save your mens' strength, because instead of the man carrying the load, the wheel carries it, and the operator merely balances and pushes the barrow.

The frame is bent from one continuous length of tubing, which forms handles, legs and wheel guard. Malleable shoes are attached to wearing surfaces of legs. Tray is 16 gauge steel reinforced with 5-16 inch rod. No. 2 standard wheel.

STERLING PANHANDLE BARROW No. 3A



OVERALL DIMENSIONS—

Width	27″	Rated capacity	3¼ cu. ft.
Length	62″	Water measure	2¼ cu. ft
Height	24″	Weight, per doz.	702 lbs.

Our heavy channel steel leg forms part of this construction giving unequalled value for the moderate price.

The standard tray is constructed of 18 gauge steel. Handles are hard maple smoothly surfaced. Mounted on the No. 2 self-lubricating wheel.

TUBULAR STEEL MINING BARROW No. 7A

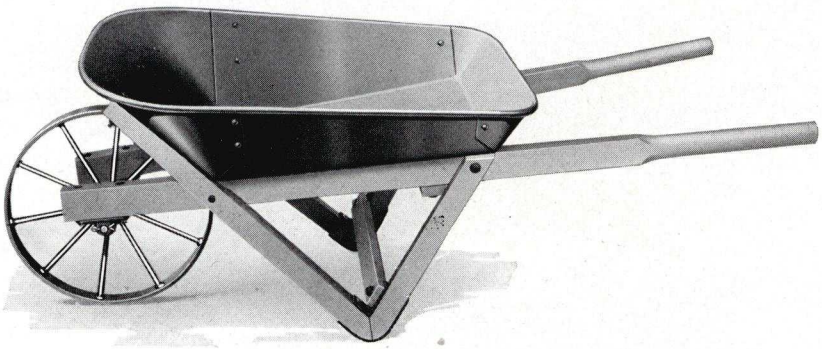
OVERALL DIMENSIONS—

Width	27½″	Rated capacity	3¼ cu. ft.
Length	65″	Water measure	2¼ cu. ft.
Height	23″	Weight, per doz.	738 lbs.

The No. 7-A is one of the most popular Sterling styles. It is medium in size and weight and although low priced, it is strongly constructed and suitable for any general purpose work.

Tray is 18 gauge steel reinforced with 5-16 inch rod. Heavy Channel steel riveted legs, equipped with steel shoes. No 2 self-lubricating wheel.

STERLING "MONARCH" BARROW No. 19



OVERALL DIMENSIONS—

Width	27″	Rated capacity	2 cu. ft.
Length	59″	Weight, per doz.	564 lbs.
Height	22″		

The No. 19 is cheap, light, well built and durable. It will outlast two barrows of any other make of similar style and price.

The tray is 18 gauge reinforced at top with 5-16 inch rod. Handles and legs are made of clear hard maple surfaced four sides. This barrow is equipped with the No. 3 self-lubricating wheel.

TUBULAR "EXPORT" BARROW No. 7AA

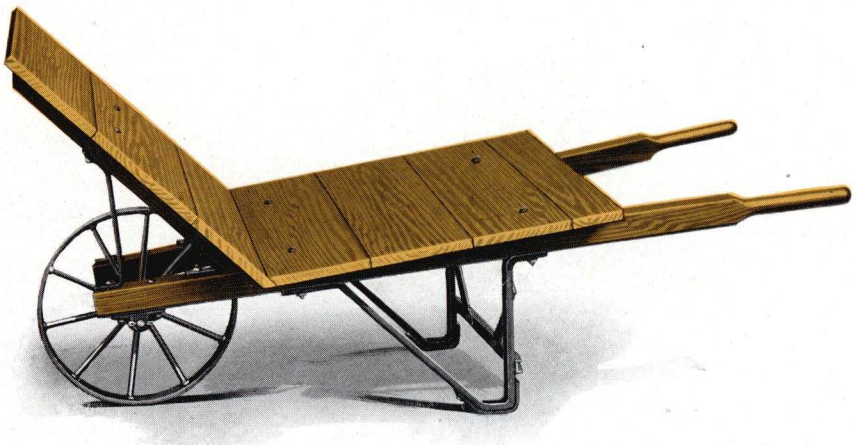
OVERALL DIMENSIONS—

Width	26½″	Rated capacity	3 cu. ft.
Length	65″	Water measure	2 cu. ft.
Height	22″	Weight, per doz.	678 lbs.

Light weight and compact form render this barrow particularly desirable for export shipment. Although light in weight it is scientifically designed for strength and durability, and will prove highly satisfactory on all general purpose work.

18 gauge steel tray reinforced with 5-16 inch rod. Channel steel riveted legs, equipped with shoes. No. 3 self-lubricating wheel.

STERLING CEMENT BAG BARROW No. 27



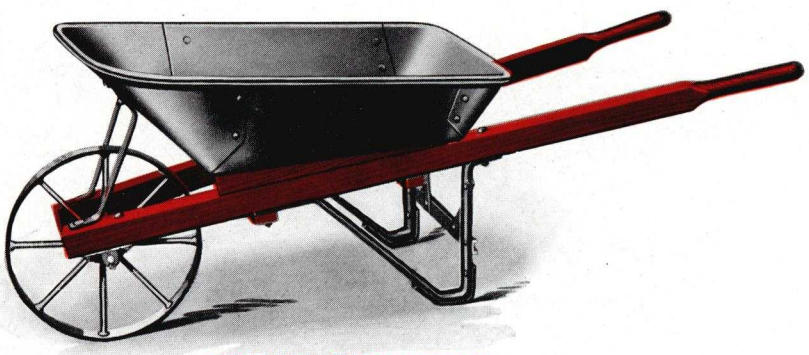
OVERALL DIMENSIONS—

Width	25″	Load capacity	700 lbs.
Length	68″	Weight, each	75 lbs.
Height	27″		

The No. 27 offers a convenient and practical method for handling cement. The long slanting dash is so balanced over the wheel that the wheeling of large loads is easily accomplished.

Dash, platform and handles are made of clear hard maple lumber, well surfaced and painted. Heavy channel steel legs with shoes. Standard No. 2 self-lubricating wheel.

STERLING CONTRACTORS' BARROW No. 5A



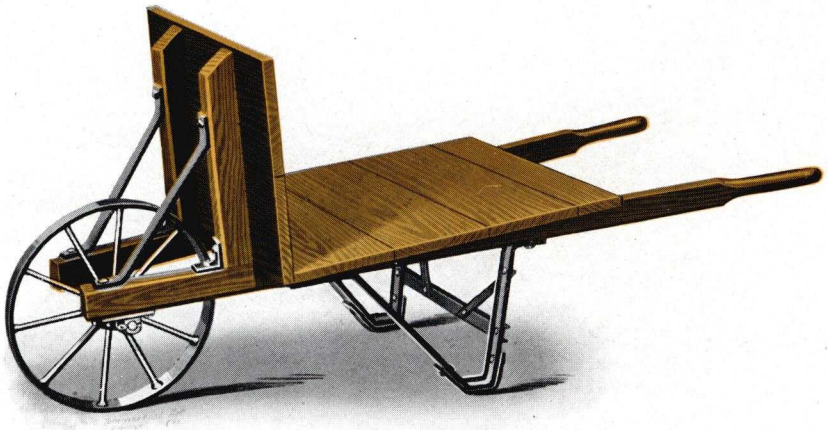
OVERALL DIMENSIONS—

Width	29″	Rated capacity	3½ cu. ft.
Length	64″	Water measure	2½ cu. ft.
Height	25″	Weight, per doz.	818 lbs.

Because of its adaptability this barrow is very popular with contractors. It is suitable for wheeling either dry material or concrete, as the tray raisers give it greater capacity.

The tray is constructed of 16 gauge steel mounted on a hard maple frame. The frame is supplied with tray raisers, channel steel legs and No. 2 wheel.

STERLING BRICK AND TILE BARROW NO. 34



OVERALL DIMENSIONS—

Width	25″	Load capacity	700 lbs.
Length	64″	Weight, per doz.	820 lbs.
Height	28″		

Tile cannot be successfully handled in ordinary pan-shaped barrows. The No. 34 is designed especially for this work, and should be a part of every contractor's equipment.

Lumber used is clear hard maple throughout. Dash is doubly supported by wood and heavy steel braces. Standard No. 2 wheel.

TUBULAR STEEL MINING BARROW No. 7B

OVERALL DIMENSIONS—

Width	30″	Rated capacity	4 cu. ft.
Length	65″	Water measure	2¾ cu. ft.
Height	25″	Weight, per doz.	858 lbs.

Greater capacity and greater strength. Both advantages are to be found in the No. 7B. It is adaptable to a large variety of work.

Standard tray is 16 gauge steel reinforced with 5-16 inch steel rod at top edge. Riveted channel steel legs supplied with steel shoes. Standard No. 2 wheels.

NO. 51-A AND 52-A FOUNDRY BARROWS

There has always been an insistent demand for wood handled barrows, which are strong enough to withstand foundry service.

The Nos. 51-A and 52-A successfully meet the demand, as they are built with the same ruggedness, and strength of our tubular barrows.

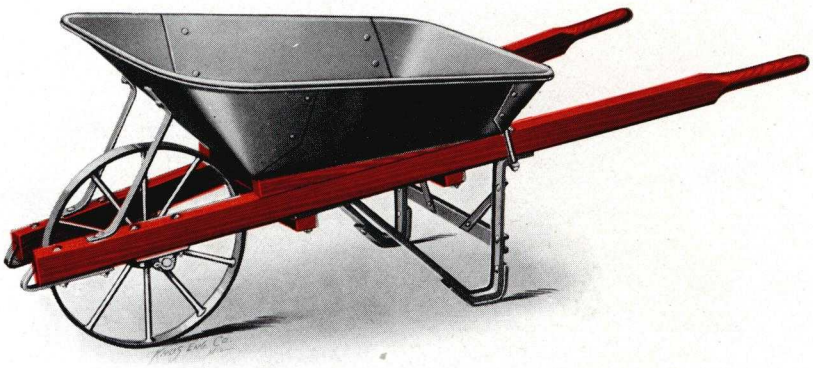
The handles are made of clear maple. They are attached to the leg by means of clamps, which strengthen the handles at point of most strain. A malleable wheel guard ties the handles at the wheel, and forms a rigid brace.

THEY EMBODY AMONG OTHER DESIRABLE STERLING FEATURES:—2″ TIRE SELF-LUBRICATING WHEELS, CHANNEL STEEL RIVETED LEGS, AND 12 GAUGE TRAYS.

SIZES, WEIGHTS AND PRICES

No.	Gauge of Tray	Full Capacity	TRAY DIMENSIONS				Length Overall	Width Overall	Height Overall	Weight Each
			Length at Top	Width at Top	Depth at Wheel	Depth at Handle				
51-A	12	3½	34	29	14½	6½	65	29	25	90
52-A	12	4	36	30	16	7½	65	30	25½	98

STERLING CONTRACTORS' BARROW No. 6A



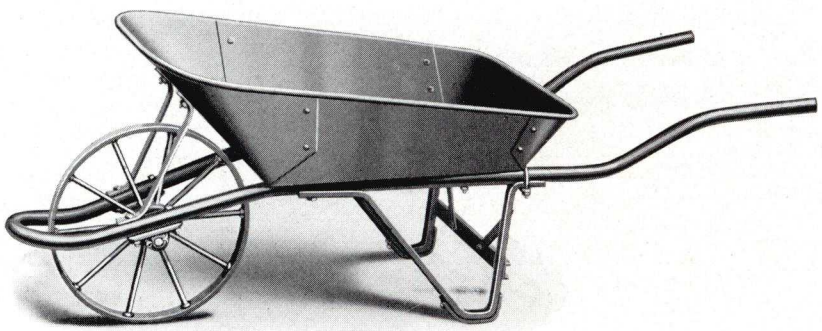
OVERALL DIMENSIONS—

Width	29″	Rated capacity	3½ cu. ft.
Length	65″	Water measure	2¼ cu. ft.
Height	25″	Weight, per doz.	828 lbs.

One of the best known, likewise most durable contractors barrows. It embodies the chief Sterling improvements, including the handle clamps.

No. 6A tray is constructed of 16 gauge steel, reinforced at top with 5-16 inch rod. Mounted on hard maple frame, channel steel legs, and No. 2 self-lubricating wheel.

TUBULAR STEEL MINING BARROW No. 7



OVERALL DIMENSIONS—

Width	29″	Rated capacity	3½ cu. ft.
Length	65″	Water measure	2¼ cu. ft.
Height	23½″	Weight, per doz.	822 lbs.

A medium sized tubular barrow, intended for general purpose work, suitable for contractors, mills or mines.

Standard tray is 16 gauge steel reinforced with 5-16 inch steel rod at top edge. The channel steel legs are braced and riveted and equipped with steel shoes. No. 2 wheel equipped with self-lubricating bearings.

STERLING CONTRACTORS' BARROW No. 41

OVERALL DIMENSIONS—

Width	27″	Rated capacity	3½ cu. ft.
Length	65″	Water measure	2¼ cu. ft.
Height	25″	Weight, per doz.	820 lbs.

This barrow is very similar to the number 6A on opposite page, being slightly narrower of tray. An ideal barrow for general contractors work.

The tray is 16 gauge, reinforced with 5-16″ rod in top edge. Riveted channel steel legs, with steel shoes. Wheel is equipped with self-lubricating bearings.

TUBULAR STEEL MINING BARROW No. 43

OVERALL DIMENSIONS—

Width	27½″	Rated capacity	3½ cu. ft.
Length	65″	Water measure	2¼ cu. ft.
Height	24″	Weight, per doz.	822 lbs.

No. 43 tray is the same as number 41 above shown and is mounted on tubular steel handles. Note clamps which hold the leg and strengthen the handles at point of most strain.

Tray is 16 gauge, reinforced with 5-16″ rod in top edge. Riveted channel steel legs with steel shoes. Standard No. 2 wheel.

EUREKA CONCRETE BARROW No. 10A

OVERALL DIMENSIONS—

Width	29″	Rated capacity	4½ cu. ft.
Length	65″	Water measure	3½ cu. ft.
Height	27″	Weight, per doz.	888 lbs.

The most popular concrete and mortar barrow on the market. It has a large carrying capacity, and the tray is properly shaped for side or end discharge.

Tray is 16 gauge reinforced with 5-16 inch rod, and mounted on frame of clear maple handles, channel steel legs, and the No. 2 self-lubricating wheel.

AJAX CONCRETE BARROW No. 9

OVERALL DIMENSIONS—

Width	30″	Rated capacity	4½ cu. ft.
Length	65″	Water measure	3½ cu. ft.
Height	26″	Weight, per doz.	840 lbs.

For handling sloppy concrete the No. 9 is a winner. Although deep and of large capacity, the tray is so shaped that contents are quickly and cleanly discharged and may be dumped either front or sideways. This tray is the same as number 10A above shown.

Tray is 16 gauge steel reinforced at top with 5-16 inch rod. Legs are made of channel steel, and equipped with shoes. No. 2 self-lubricating wheel.

STERLING "NARROW" CONCRETE BARROW No. 31

OVERALL DIMENSIONS—

Width	26″	Rated capacity	4¾ cu. ft.
Length	65″	Water measure	3¾ cu. ft.
Height	29½″	Weight, per doz.	900 lbs.

No. 31 has a tray of narrow deep design, and larger capacity than the No. 10A on opposite page. It is designed to operate on material elevators, carrying two barrows at a time, and has the largest capacity of any concrete barrow on the market.

The 16 gauge tray is mounted on clear maple handles, riveted channel steel legs, and the famous Sterling No. 2 self-lubricating wheel.

STERLING "NARROW" CONCRETE BARROW No. 33

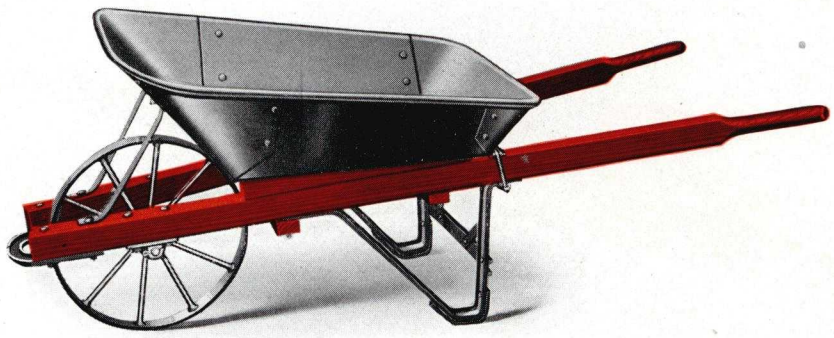
OVERALL DIMENSIONS—

Width	27″	Rated capacity	4¾ cu. ft.
Length	65″	Water measure	3¾ cu. ft.
Height	29″	Weight, per doz.	870 lbs.

The No. 33 is a concrete barrow of extra large capacity. The deep tray is narrow width, and designed for use on material elevators. For wheeling sloppy concrete through narrow runways this barrow has no equal. Tray interchangeable with No. 31.

Tray is constructed of 16 gauge steel, reinforced with 5-16 inch rod at top edge. The leg gear is of channel steel braced and riveted, and equipped with steel shoes. Equipped with No. 2 self-lubricating wheel.

STERLING CONTRACTORS' BARROW No. 15



OVERALL DIMENSIONS—

Width	29″	Rated capacity	3½ cu. ft.
Length	65″	Water measure	2¼ cu. ft.
Height	25″	Weight, per doz.	864 lbs.

The barrows on this page represent the last word in wheelbarrow construction. They embody all Sterling improvements including the malleable wheel guard and handle clamps. No. 15 is a general purpose barrow.

The Tray is constructed of 16 gauge steel and is mounted on clear hard maple handles, channel steel legs, and No. 2 self-lubricating wheel.

STERLING CONCRETE BARROW No. 16

OVERALL DIMENSIONS—

Width	29″	Rated capacity	4½ cu. ft.
Length	65″	Water measure	3½ cu. ft.
Height	27″	Weight, per doz	900 lbs.

Wheel guard is malleable, and non-destructible and offers permanent protection to handle ends. It also braces the entire frame. The No. 16 is our leading barrow for concrete or mortar.

Standard tray is No. 16 gauge, reinforced with 5-16 inch rod at top edge, mounted on clear maple handles, channel steel legs, and No. 2 wheel.

STERLING CONTRACTORS' BARROW No. 42

OVERALL DIMENSIONS—

Width	27″	**Rated capacity**	3½ cu. ft.
Length	67″	**Water measure**	2¼ cu. ft.
Height	25″	**Weight, per doz**	864 lbs.

No. 42 barrow corresponds to the No. 15 shown on opposite page. However, it has a narrower and slightly deeper tray.

The standard tray is constructed from 16 gauge steel, reinforced with 5-16 inch rod at top edge. Riveted channel steel legs, with steel shoes. Wheel is equipped with self-lubricating bearings.

STERLING "NARROW" CONCRETE BARROW No. 32

OVERALL DIMENSIONS—

Width	26″	**Rated capacity**	4¾ cu. ft.
Length	65″	**Water measure**	3¾ cu. ft.
Height	29½″	**Weight, per doz**	924 lbs.

The largest barrow built for concrete work. Tray is built narrow and deep which makes it ideal for wheeling concrete. Two of these barrows can be used side by side on the average width material elevator.

Tray is 16 gauge, reinforced with 5-16 inch rod and mounted on clear maple handles, channel steel legs and No. 2 wheel.

STERLING Concrete Carts

Made in sizes of 4½ and 6 cu. ft. capacity. Equipped with 30″ - 36″ and 42″ diameter staggered spoke wheels.

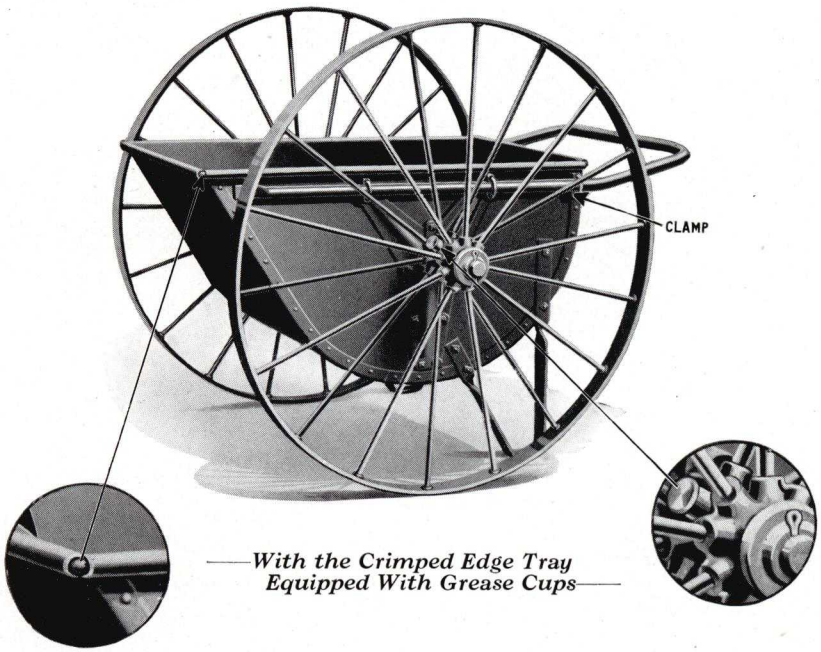
The Sterling concrete cart has kept steady pace with the rapid advance of concrete work. It has been improved, changed and perfected, until it has proved by test to be the most durable and efficient cart obtainable.

The following pages show a complete line of carts, the styles differing slightly in capacity and size of wheels. The styles and sizes shown will fill any contractors' practical requirements.

Crimped Edge Trays
Under-Slung Axles
Grease-Cup-Equipped Wheels

are some of the noteworthy improvements, which are exclusively "Sterling" and which insure maximum service, and ease of wheeling.

"IDEAL" CONCRETE CART No. 6



—With the Crimped Edge Tray Equipped With Grease Cups—

This new member of the Sterling Family is a decided improvement over any concrete cart previously manufactured with every item of its construction designed for unusual strength, durability, and ease of wheeling.

Note the unique manner by which the tray is reinforced with a solid continuous ½ inch rod. This method prevents tray from breaking at edge or Corners.

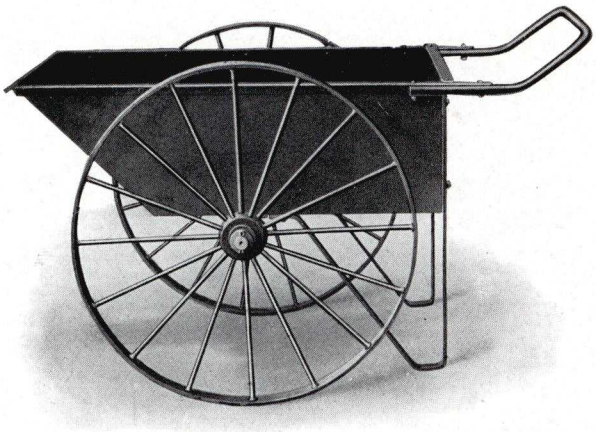
The pipe which forms the handle extends full length of cart and is clamped to the tray. This method of reinforcement gives permanent protection to the tray sides and is guaranteed to keep the same in shape and true alignment.

These clamps strengthen the handle and eliminate breakage caused by bolt holes.

Grease cups insure perfect lubrication and form one of the unusual refinements of this cart.

Tray—12 gauge, 6 cubic feet Cap. Wheels—42 inch diameter by 2 inch face by 6 inch Hub. Axle—1⅜ inch diameter. Handle—1 inch diameter. Size overall—Width 39½ inches, Length 57 inches, Height 42 inches, Weight 246 pounds.

STERLING CONCRETE CART No. 0



OVERALL DIMENSIONS—

Width	35″	Level full capacity	5 cu. ft.
Length	52″	Concrete capacity	4 cu. ft.
Height	30″	Weight, each	170 lbs.

The No. 0 is a small capacity cart, but desirable for use wherever runways are not provided or on inclines where heavy loads cannot be handled.

Tray is 14 gauge steel, reinforced at top with 1 inch angle. Wheels 30 inches diameter by 2 inch face, equipped with grease cups.

STERLING CONCRETE CART No. 3

OVERALL DIMENSIONS—

Width	27″	Level capacity	7 cu. ft.
Length	52″	Concrete capacity	6 cu. ft.
Height	30″	Weight, each	190 lbs.

This cart is equipped with an underslung axle, and has the added advantage of a round bottom tray. The inside of tray is perfectly clear from obstructions, permitting quick and clean discharge.

Tray is 14 gauge steel, reinforced with 1 inch angle an top edge. Furnished with or without legs, as desired. Also with either 30 inch or 36 inch diameter wheels as ordered.

Sterling Column Clamps

Twice as strong.
Twice as convenient.
Costs less than half.

Greatest Labor Saving Device for its cost in modern concrete construction work.

Can be adjusted to any shaped column—any size—in from one-half minute to one and one-half minutes.

Locks the column more firmly than any other clamp, avoiding dangerous and costly sags and bulges.

Can be passed through tight places where not even a man's hand can go—as for instance where a column is only ¼ inch from an adjoining wall.

And can be removed in one-tenth the time necessary to remove wooden clamps.

So firmly do Sterling Clamps grip the column that seven clamps held a 24 inch column 22 feet high for the Dahlman Construction Company while the whole column was poured at once from a chute.

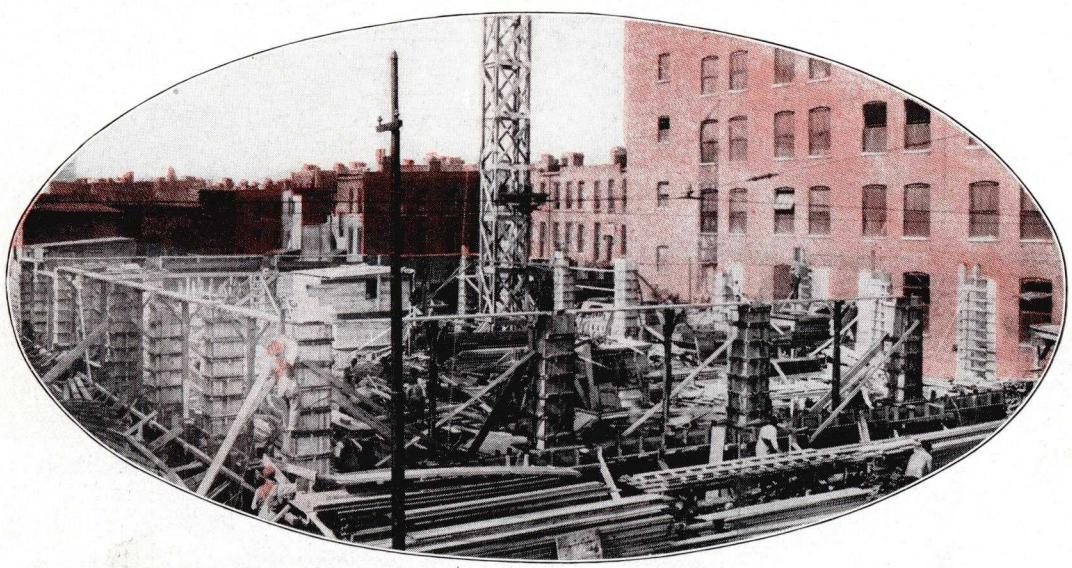
This clamp also permits building forms on the ground, and raising them afterward.

Practically everlasting, as the Steel band—the only part subject to wear—can be renewed at nominal cost.

Not only goes on to the column in a fraction of the time required by other clamps—but the work is done by common, rather than skilled labor.

This simple device is taking the place of expensive steel forms, and is replacing the costly carpenterbuilt, wedged, wooden forms.

SPECIAL BATTONS NOT NECESSARY



We show a picture of the construction work on the first floor of the new Regensteiner Color-type Co.'s Building in Chicago, erected by O. W. Rosenthal & Company, General Contractors, Chicago. In sending us this photograph, Mr. Rosenthal says:

"We have been using your clamps for about two years on several of our jobs and have found them a very satisfactory clamp. This clamp, we find, not only saves time but can be used on any shaped column without the necessity of special battons as is necessary with other makes. We can highly recommend this clamp and will be pleased to have you use us as reference."

STERLING COLUMN CLAMPS

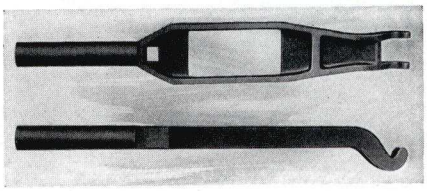


Fig. 1—Extension Lever.

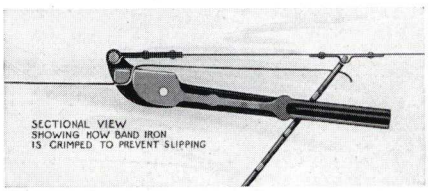


Fig. 2—Clamping Head attached to Lever Handle.

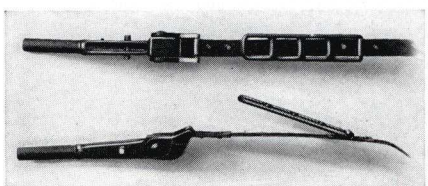


Fig. 3—Top and Side Views of Lock Buckle.

Fig. 4—Encircling Column with Steel Band.

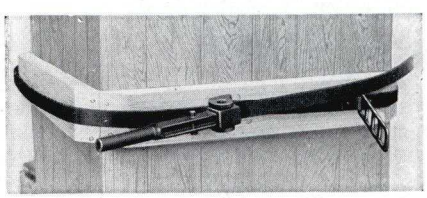


Fig. 5—Bringing Band into position for Clamping.

What the Sterling Clamp Is

As will be seen by the cuts, the Sterling Column Clamp consists of four principal parts.

1. A strong malleable iron handle with heavy ribbed shoulder to give added strength where stress is greatest. (See Fig. 3.)
2. A malleable iron ratchet clamping head which is riveted to, and pivots upon the hand lever. (See Fig. 3.)
3. A 14 ft. length of 16 gauge band steel 1⅛ in. wide firmly hinge-riveted to a steel locking lever. (See Fig. 2.)
4. A locking device with four openings attached to the steel band about 11 inches from the clamping head. (See Fig. 3.)

How To Work It

It takes longer to tell how to apply this clamp than to do it.

First Pass steel Band around the column, then thread through the clamping head and draw tight. (See Figs. 4 and 5.)

Then Grasp Band with one hand and ratchet the lever several times until it resists further tension. (See Fig. 6.)

Next Press Lever down close to the column, putting a permanent crimp into Band to prevent it from slipping (See Fig. 2.)

Then Lock Clamp into position by inserting Lock-lever into the "tightest" opening of the locking device. (See Fig. 7.)

To knock down the form it is only necessary to release from the Buckle, as shown in Fig. 5.

Extension lever shown (Fig. 1) is for use where extra leverage is necessary.

One extension lever is enough for at least 50 clamps, and is sold as an extra.

See by Fig. 8 how Extension Lever assists in locking Band Lever into Buckle.

SUMMARY OF ADVANTAGES

Costs less than other Clamps.

Quicker to install.

Cannot slip from column.

Lasts for several years in continuous service.

Easily and cheaply repaired.

Holds form in vice-like grip.

No special battons needed.

Saves carpenter work.

Convenient to handle to store.

Added to these notable advantages, is the exclusive feature of Sterling Clamps which permits their use on columns close to walls.

All the room needed is enough to fish the band through.

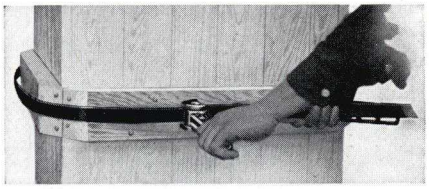


Fig. 6—Ratcheting and Band.

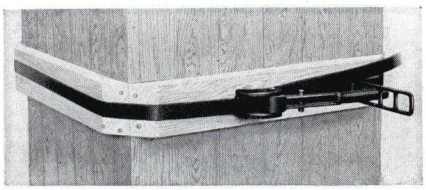


Fig. 7—Lock Lever inserted into Buckle.

One Clamp For All—

FITS any kind of Column—Square, Round, Hexagonal, Octagonal or Irregular, and Operates with Equal Speed and efficiency on all.

When used on Hexagonal or Octagonal Columns, the roughest kind of battons may be used, or in fact can be used without any battons. (See Fig. 9.)

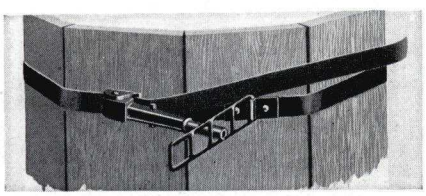


Fig. 8—Extension Lever in Place.

When used on Square Columns, the battons should be beveled at corners to allow band to tighten freely. (See Fig. 8.)

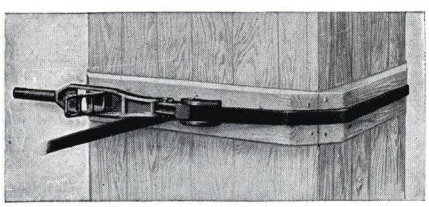


Fig. 9—Octagonal Column.

STERLING Wheels and Casters

Sterling Wheels and casters are made in our own plant. Our strictly modern foundry is specially equipped for the manufacture of wheels and casters only.

As these items form a very important part of our completed product, being furnished with Sterling wheelbarrows and trucks, we guarantee them to be of the highest quality in both workmanship and materials.

All of the steel wheels (fig. 5) are equipped with heavy hubs, cast to the spokes, after spokes are riveted to the tire. Thus all spokes are drawn to tension, and including the extra strong hub Sterling Wheels have unusual strength and durability.

The cast wheels and casters are extra strong and heavy pattern. They are made only in standard sizes as listed on page 32. Adoption of standard sizes permits quantity production, and enables us to offer attractive prices.

We solicit your inquiries for wheels and casters, and welcome your orders, regardless of quantity desired. If you build your own trucks, it will pay you to standardize and carry Sterling wheels and casters in stock.

The line at present includes only plain bearings and plain tires. The steel wheels are equipped with grease cups. The swivel casters are equipped with ball bearing swivels and plain bearing wheels.

STANDARD TRUCK, CART AND BARROW WHEELS

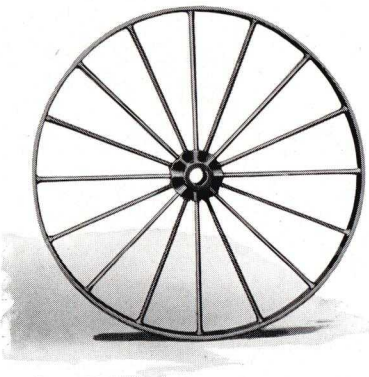


Fig. 5
Steel Wheels

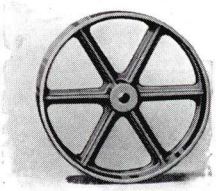


Fig. 3
Cast Truck Wheels

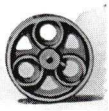


Fig. 2
Caster Wheels

Sterling Wheels are suitable for many types of Barrows and Trucks. Carried in stock for prompt shipment.

STANDARD TRUCK CASTERS

Fig. 2
Ball Bearing Stem Casters

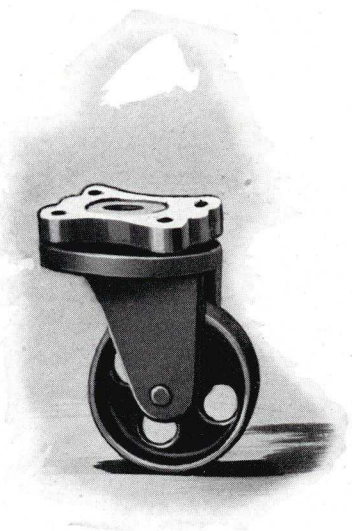


Fig. 3
Ball Bearing Plate Casters

In repairing or building your own Trucks, use Sterling Wheels and Casters. They are made in a variety of sizes (See Table on page 32.)

STANDARD TRUCK CASTERS

BALL BEARING STEM CASTERS

Figure No.	Diameter of Wheel	Face of Wheel	Height to Ledge	Height Overall	Weight Each
Fig. 2B	6″	1¾″	8″	12½″	18
Fig. 2D	8″	1¾″	10″	16½″	24½

BALL BEARING PLATE CASTERS

Fig. No.	Diameter of Wheel	Face of Wheel	Height Overall	Weight Each
Fig. 3A	3″	1½″	4½″	5
Fig. 3B	4″	2″	6½″	10

TRUCK, CART AND BARROW WHEELS

Figure	Material	Diameter	Face	Thickness of Tire	Bore	Length of Hub	Weight Lbs.
Fig. 2A	Cast Iron	3″	1½″	.....	⅜″	1¾″	1¼
Fig. 2B	"	4″	2″	.....	⅜″	2⅛″	2¼
Fig. 2C	"	6″	1¾″	.....	¾″ or ⅞″	2¼″	5½
Fig. 2D	"	8″	1¾″	.....	¾″ or ⅞″	2¼″	7¼
Fig. 3A	"	10″	2″	.....	1⅛″ or 1⅜″	3″	10
Fig. 3B	"	12″	2¼″	.....	1⅛″ or 1⅜″	3″	14
Fig. 3C	"	12″	3″	.....	1⅛″ or 1⅜″	3½″	16
Fig. 3D	"	12″	3″	.....	1⅛″ or 1⅜″	3½″	17½
Fig. 3E	"	14″	2¾″	.....	1⅛″ or 1⅜″	3″	22
Fig. 3F	"	16″	2¾″	.....	1⅛″ or 1⅜″	3½″	22½
Fig. 3G	"	16″	2¾″	.....	1⅛″ or 1⅜″	3½″	24½
Fig. 3H	"	18″	2½″	.....	1⅛″ or 1⅜″	3″	30
Fig. 5A	Steel	18″	2″	⅜″	1⅛″—1¼″&1½″	5″	27
Fig. 5B	"	21″	2″	⅜″	1⅛″—1¼″&1½″	5″	30¼
Fig. 5C	"	24″	2″	⅜″	1⅛″—1¼″&1½″	5″	33½
Fig. 5E	"	30″	2″	⅜″	1⅛″—1¼″&1½″	5″	40
Fig. 5F	"	18″	2½″	⅜″	1⅛″—1¼″&1½″	5″	29½
Fig. 5G	"	21″	2½″	⅜″	1⅛″—1¼″&1½″	5″	33¼
Fig. 5H	"	24″	2½″	⅜″	1⅛″—1¼″&1½″	5″	37
Fig. 5J	"	30″	2½″	⅜″	1⅛″—1¼″&1½″	5″	44½
Fig. 5L	"	36″	2½″	⅜″	1⅛″—1¼″&1½″	5″	52
Fig. 5M	"	42″	2″	⅜″	1⅛″—1¼″&1½″	6″	60